

Patent claims:

1. A cutter head disk (1) for a meat cutter, on which at least one knife (8) can be mounted and which has a preferably metallic core (2) for accommodating the drive shaft, characterized in that the core (2) is surrounded, preferably encapsulated by casting, with an envelope (3), preferably a plastic envelope.
2. The cutter head disk as claimed in claim 1, characterized in that the core (2) has at least one recess (18) in which in each case at least one eccentric retaining bolt (4) for the knife (8) can be mounted.
3. A cutter head disk (1) for a meat cutter, on which at least one knife (8) can be mounted, characterized in that it has at least one recess (18) in which in each case at least one eccentric retaining bolt (4) for the knife (8) can be mounted.
4. The cutter head disk as claimed in one of the preceding claims, characterized in that it has magnets (7) with which the knife (8) can be fixed on the cutter head disk (1).
5. The cutter head disk as claimed in one of the preceding claims, characterized in that it has at least one sealing edge (13).
6. The cutter head disk as claimed in claim 5, characterized in that the sealing edge (13) is designed as a raised circular ring or section.
7. The cutter head disk as claimed in one of the preceding claims, characterized in that it has recesses (5, 11).

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8. The cutter head disk as claimed in claim 7, characterized in that weights (6, 12) can be fitted into the recesses (5, 11).

5 9. The cutter head disk as claimed in one of the preceding claims, characterized in that it has shoulders (19), the height of which is essentially the same as or somewhat smaller than the thickness of the base (21) of the knife (8) and the distance between
10 which essentially corresponds to the width of the base of the knife.

10. A knife, characterized in that the ratio of clamping radius B to knife radius A is 0.3 - 0.4,
15 preferably 0.37 - 0.38.

11. The knife, in particular as claimed in claim 10, characterized in that the ratio of knife radius A to receiving width C is 1.4 - 2.0, preferably 1.6 - 1.7.
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12. A system comprising a cutter head disk as claimed in one of claims 1-9 and two knives (8) which in each case have two recesses (20), preferably holes, characterized in that the eccentric retaining bolts (4)
25 are introduced into the holes (20).

13. A system comprising a cutter head disk as claimed in one of Claims 1-9 and a knife (8) and a filling plate (9, 10) which in each case has two recesses (20),
30 preferably holes, characterized in that the eccentric retaining bolts (4) are introduced into the holes (20).

14. The system as claimed in claim 13, characterized in that the filling plate has recesses (22).
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15. The system as claimed in one of claims 12-14, characterized in that the knives (8) and/or filling

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plates (9, 10) can be reversibly fastened to the cutter head disk (1) with the magnets (7).

16. The system, preferably as claimed in one of
5 claims 12-15, characterized in that the ratio of clamping radius B to knife radius A is 0.3 - 0.4, preferably 0.37 - 0.38.

17. The system, preferably as claimed in one of
10 claims 12-16, characterized in that the ratio of knife radius A to receiving width C is 1.4 - 2.0, preferably 1.6 - 1.7.

18. A cutter head, having at least one system as
15 claimed in one of claims 9-14, characterized in that it is arranged on a shaft.

19. The cutter head as claimed in claim 18,
20 characterized in that the dynamic unbalance is compensated for in the knife plane.

20. The cutter head as claimed in either of claims 18
and 19, characterized in that it does not have to be
25 balanced.

21. The cutter head as claimed in one of claims 18-20,
characterized in that all of the knives are of equal
length.

22. The cutter head as claimed in one of claims 18-21,
30 characterized in that it is closed to the outside and is smooth apart from the protruding knives.

23. A method for installation of a cutter head as
35 claimed in one of claims 18-22, characterized in that the cutter head disk (1) is fastened to the shaft and the knives (8) and/or a knife (8) and a filling plate (9) are then mounted on the cutter head disk (1).

24. The method as claimed in claim 23, characterized in that the cutter head is fixed on the shaft.

5 25. A method for installation of a cutter head as claimed in one of claims 18-22, characterized in that the cutter head disks (1) and the knives (8) and filling plates (9, 10) are preassembled on a sleeve which is then mounted on the cutter head shaft.

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26. The method as claimed in one of claims 23-25, characterized in that every knife can be combined with every cutter head disk.